

**To:** Brown, Anthony R (RM)[anthony.brown@bp.com]  
**Cc:** Lombardi, Marc (marc.lombardi@amecfw.com)[marc.lombardi@amecfw.com]; Jones, Britt[Britt.Jones@amecfw.com]; Jefferson, Jill[Jill.Jefferson@amecfw.com]; Beth Kelly[bk@burlesonconsulting.com]; Greg Reller[gr@burlesonconsulting.com]; Cory Koger[Cory.S.Koger@usace.army.mil]; Eidelberg, Joseph[Eidelberg.Joseph@epa.gov]  
**From:** Deschambault, Lynda  
**Sent:** Tue 4/18/2017 5:55:49 PM  
**Subject:** FW: Leviathan Mine - PE Sample Coordination

Please let us know if PE samples will be part of this week's sampling or were you planning to wait and also sample May 5<sup>th</sup>?

Let me know if any questions, or if a call or any other additional planning is needed.

Lynda

**From:** Strout, Keith [mailto:Keith.Strout@CBIFederalServices.com]  
**Sent:** Tuesday, April 18, 2017 10:51 AM  
**To:** Deschambault, Lynda <Deschambault.Lynda@epa.gov>; Freitas, Richard <Freitas.Richard@epa.gov>; Eidelberg, Joseph <Eidelberg.Joseph@epa.gov>  
**Cc:** Lynda.Lombardi@amecfw.com; Appleby, Charlie <Appleby.Charlie@epa.gov>; Duncan, Sara <Duncan.Sara@epa.gov>  
**Subject:** RE: Leviathan Mine - PE Sample Coordination

Good Morning,

We received an email on Friday indicating that the earliest sampling event is May 5, and the surface water sampling was scheduled for May 12th, in accordance with the schedule below. As I indicated, we need to know how many PESs/duplicates you want for each sampling event. Also, the containers need to be sent to us so they appear the same as the field samples.

If the sampling is this Thursday/Friday, we can still supply PESs provided that the empty containers arrive by tomorrow, or Thursday at the latest if you want them by Friday.

Please let us know how you would like us to proceed. You can call me at the number below in order to expedite the request/shipment of the PESS.

Thanks,

Keith

Keith Strout  
Analytical Group Leader  
Quality Assurance Technical Support Laboratory  
CB&I Federal Services, LLC  
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**From:** Deschambault, Lynda [Deschambault.Lynda@epa.gov]  
**Sent:** Tuesday, April 18, 2017 12:40 PM  
**To:** Freitas, Richard; Eidelberg, Joseph  
**Cc:** Strout, Keith; Eidelberg, Joseph  
**Subject:** RE: Leviathan Mine - PE Sample Coordination

Who decides how many PE samples? Don't we? Wasn't that already outlined by Joel etc?

Are they ready to go this Thursday surface water sampling?

Happy to do a conference call today if needed to make sure this happens.

Linda

**From:** Freitas, Richard  
**Sent:** Tuesday, April 18, 2017 10:18 AM  
**To:** Eidelberg, Joseph <[Eidelberg.Joseph@epa.gov](mailto:Eidelberg.Joseph@epa.gov)>; Deschambault, Lynda <[Deschambault.Lynda@epa.gov](mailto:Deschambault.Lynda@epa.gov)>

**Cc:** Strout, Keith <[Keith.Strout@CBIFederalServices.com](mailto:Keith.Strout@CBIFederalServices.com)>  
**Subject:** FW: Leviathan Mine - PE Sample Coordination

Looks like Leviathan is good to go. I'm out today. Please have the samplers coordinate with Keith Stout and cc me.

Thanks,

Rich

**From:** Strout, Keith [<mailto:Keith.Strout@CBIFederalServices.com>]  
**Sent:** Monday, April 17, 2017 9:09 AM  
**To:** Freitas, Richard <[Freitas.Richard@epa.gov](mailto:Freitas.Richard@epa.gov)>  
**Subject:** RE: Leviathan Mine - PE Sample Coordination

Hi Rich,

The request seems pretty straightforward. They can send bottles anytime. they'll have to let us know how many PESs they want per sampling event, and when they want the samples to arrive.

Thanks,

Keith

Keith Strout  
Analytical Group Leader  
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**From:** Freitas, Richard [Freitas.Richard@epa.gov]  
**Sent:** Friday, April 14, 2017 6:20 PM  
**To:** Strout, Keith  
**Subject:** FW: Leviathan Mine - PE Sample Coordination

Anything you need from me on this Keith?

Rich

**From:** Lombardi, Lynda [<mailto:Lynda.Lombardi@amecfw.com>]  
**Sent:** Friday, April 14, 2017 3:43 PM  
**To:** Eidelberg, Joseph <[Eidelberg.Joseph@epa.gov](mailto:Eidelberg.Joseph@epa.gov)>  
**Cc:** Freitas, Richard <[Freitas.Richard@epa.gov](mailto:Freitas.Richard@epa.gov)>; Keith Strout  
([Keith.Strout@CBIFederalServices.com](mailto:Keith.Strout@CBIFederalServices.com)) <[Keith.Strout@CBIFederalServices.com](mailto:Keith.Strout@CBIFederalServices.com)>; Lombardi,  
Marc <[Marc.Lombardi@amecfw.com](mailto:Marc.Lombardi@amecfw.com)>  
**Subject:** Leviathan Mine - PE Sample Coordination

Joe,

This email serves to provide notification of proposed sampling activities commencing in May 2017 at the Leviathan Mine Site in Alpine County, California to assist U.S. EPA with coordination of performance evaluation (PE) samples according to procedures described in the Leviathan Mine Site RI/FS Quality Assurance Project Plan, Revision 2 (Atlantic Richfield, 2017). Sampling activities at the Leviathan Mine Site are highly dependent on area weather and site access in compliance with project health and safety guidelines. Currently, site access is restricted due to poor access conditions and frequent periods of inclement weather, and all schedules discussed herein are tentative.

The tentative schedule for upcoming sampling in the 2017 field season is as

- 1) Storm water and Snowmelt Event Monitoring (water matrix)
  - a. Start Date: w/e May 5, 2017
  - b. Duration: 24 hour composite per event through October 31, 2017; dependent on when representative run-off events actually occur; snowmelt is a maximum of 3 run-off events per season

c. Primary quantitative measurements; total and dissolved metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, nickel, selenium, silver, thallium, vanadium, and zinc)

2) Monthly Groundwater Monitoring (water matrix)

a. Start Date: w/e May 12, 2017

b. Duration: 1 event (5 days) per month through October 20, 2017

c. Primary quantitative measurements; dissolved metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, hexavalent chromium, iron, lead, manganese, nickel, selenium, silver, thallium, vanadium, and zinc)

3) Surface water Monitoring (water matrix)

a. Start Date: w/e May 12, 2017

b. Duration: 3 events per field season in May (12 days), August (3 days), and October (3 days); scheduling is dependent on water treatment activities and creek flows

c. Primary quantitative measurements; total and dissolved metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, hexavalent chromium, iron, lead, manganese, nickel, selenium, silver, thallium, vanadium, and zinc)

Atlantic Richfield will make appropriate arrangements with the subcontract laboratory to provide appropriate bottles sets for the aforementioned sampling events in accordance with the requirements set forth in the LMS RI/FS QAPP and the attached table of analyses (Table 1). PE samples prepared by U.S. EPA and returned to the designated subcontractor will be appropriately integrated with the concurrent sampling event. All prepared PE sample sets should be shipped to the following address during the appropriate time frame for a designated sampling event:

Britt Jones, AmecFW

931 Bollen Circle

Gardnerville, NV 89460

Ph: (916) 612-6237

Analytical results for representative samples collected in 2015 are also attached to provide available information on recent concentration ranges for the various matrices (Attachments 1-5) . Please contact me directly for coordination of laboratory bottle supplies and preferred delivery dates for PE sample shipments by U.S. EPA, or if you have additional questions.

Best Regards,

Lynda Lombardi

Environment & Infrastructure Americas, Amec Foster Wheeler

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